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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/965,818	10/01/2001	Toshiki Taguchi	Q66451	3989	
75	90 04/25/2003				
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Washington, DC 20037-3213			EXAMINER THOMPSON, CAMIE S		
			1774	_	
			DATE MAILED: 04/25/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)	B0			
		09/965,818		TAGUCHI, TOSHIKI				
Office Action	Examiner	1	Art Unit	,				
		Camie S Thomps		1774				
The MAILING DATE Period for Reply	of this communication app	ears on the cover	sheet with the cor	respondence addres	is			
	HIS COMMUNICATION. a under the provisions of 37 CFR 1.13 iling date of this communication. be is less than thirty (30) days, a reply bove, the maximum statutory period we coved the period for reply will, by statute, but than three months after the mailing	6(a). In no event, howe within the statutory min ill apply and will expire cause the application to	over, may a reply be timely imum of thirty (30) days w SIX (6) MONTHS from the b become ABANDONED	y filed will be considered timely. e mailing date of this commu (35 U.S.C. § 133).	inication.			
1) Responsive to comm	munication(s) filed on	<u> </u>						
2a) This action is FINAL	2b)⊠ Thi	s action is non-fi	nal.	•				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims								
4)⊠ Claim(s) <u>1-24</u> is/are	pending in the application							
4a) Of the above clair	m(s) is/are withdraw	n from consider	ation.					
5) Claim(s) is/are	e allowed.							
6)⊠ Claim(s) <u>1-24</u> is/are i	rejected.			·				
7) Claim(s) is/are	e objected to.							
8) Claim(s) are s	ubject to restriction and/or	election require	ment.					
Application Papers			•					
9) ☐ The specification is of	ojected to by the Examiner							
10) ☐ The drawing(s) filed o	n is/are: a)□ accep	ted or b)⊡ object	ed to by the Exami	ner.				
Applicant may not req	uest that any objection to the	drawing(s) be hel	d in abeyance. See	37 CFR 1.85(a).				
11) The proposed drawing	correction filed on	is: a)☐ approve	:d b)∭ disapprove	ed by the Examiner.				
If approved, corrected	drawings are required in rep	ly to this Office ac	ion.					
12) The oath or declaration	n is objected to by the Exa	aminer.						
Priority under 35 U.S.C. §§ 1	19 and 120							
13) Acknowledgment is r	nade of a claim for foreign	priority under 35	U.S.C. § 119(a)-	(d) or (f).				
a)⊠ All b)□ Some * o	c) None of:							
1. Certified copie	s of the priority documents	have been rece	ived.					
2. Certified copies of the priority documents have been received in Application No								
application	certified copies of the prior from the International Bur iled Office action for a list o	eau (PCT Rule 1	17.2(a)).		ge			
14) Acknowledgment is ma	ade of a claim for domestic	priority under 3	5 U.S.C. § 119(e)	(to a provisional app	plication).			
a) ☐ The translation o 15)☐ Acknowledgment is m	f the foreign language pro- ade of a claim for domesti	* * *						
Attachment(s)								
Notice of References Cited (PTC2) Notice of Draftsperson's Patent		4)		PTO-413) Paper No(s) tent Application (PTO-15				
S. Patent and Trademark Office PTO-326 (Rev. 04-01)	Office Ac	tion Summary		Part of Par	per No. 2			

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DETAILED ACTION

Information Disclosure Statement

1. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609 A(1) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered. The specification has the reference, Applied Physics Letters, 51, 913 (1987) listed on page 1.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6, 9-14 and 17-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Mori et al., U.S. Patent Number 5,281,489.

Mori discloses an electroluminescent element that may find application in various types of display devices. Mori also discloses that the electroluminescent element comprises and anode and a cathode and disposed there between an organic layer wherein the organic layer comprises



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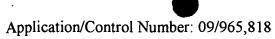
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various compounds that read on applicant's instant claims 1-4, 9-12 and 17-24 (see abstract, column 5, lines 1-67 and column 29, lines 61-67). For example, see compound (5) in column 5. Additionally, the reference discloses that the amount of the organic compound in the luminescent layer is preferably 0.01 to 20 parts by weight as per instant claims 5 and 13 (see column 26, lines 63-68). The Mori reference also discloses that the luminescent layer is formed from a solution by coating method as per instant claims 6 and 14 (see column 27, lines 15-20).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1, 7-8, 9 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mori et al., U.S. 5,281,489 in view of Baldo et al., Journal of Applied Physics Letters, Volume 75, Number 1.

Mori discloses an electroluminescent element that may find application in various types of display devices. Mori also discloses that the electroluminescent element comprises and anode and a cathode and disposed there between an organic layer wherein the organic layer comprises various compounds that read on applicant's instant claims 1 and 9 (see abstract, column 5, lines 1-67 and column 29, lines 61-67). For example, see compound (5) in column 5.



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Mori does not disclose that the organic layer comprises a light emitting material that uses a triplet exciton for light emission wherein the light-emitting material is an iridium complex. Baldo teaches an organic light-emitting device that uses a triplet exciton for light emission. In addition, Baldo employs tris(2-phenylpyridine) iridium as the light-emitting material as per instant claims 7-8 and 15-16 (see entire document). Triplet emission affects the power efficiency of the organic light-emitting device. Therefore, it would have been obvious for one of ordinary skill in the art to use a triplet exciton wherein the light-emitting material is an iridium complex so as to achieve peak quantum and power efficiencies of approximately 10% (see page 1 paragraphs 1 and 2).

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (703) 305-4488. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H. Kelly, can be reached at (703) 308-0449. The fax phone numbers for the Group are (703) 872-9310 {before finals} and (703) 872-9311 {after finals}.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0661.

CYNTHIA H. KELLY SUPERVISOFY PATENT EXAMINER TECHNOLOGY CENTER 1700

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